

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM120916\  
 Data File : BM008221.D  
 Acq On : 10 Dec 2016 00:41  
 Operator : UM/SJ  
 Sample : H5863-21  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DA801

Quant Time: Dec 10 04:41:55 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM112116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Dec 10 04:37:00 2016  
 Response via : Initial Calibration

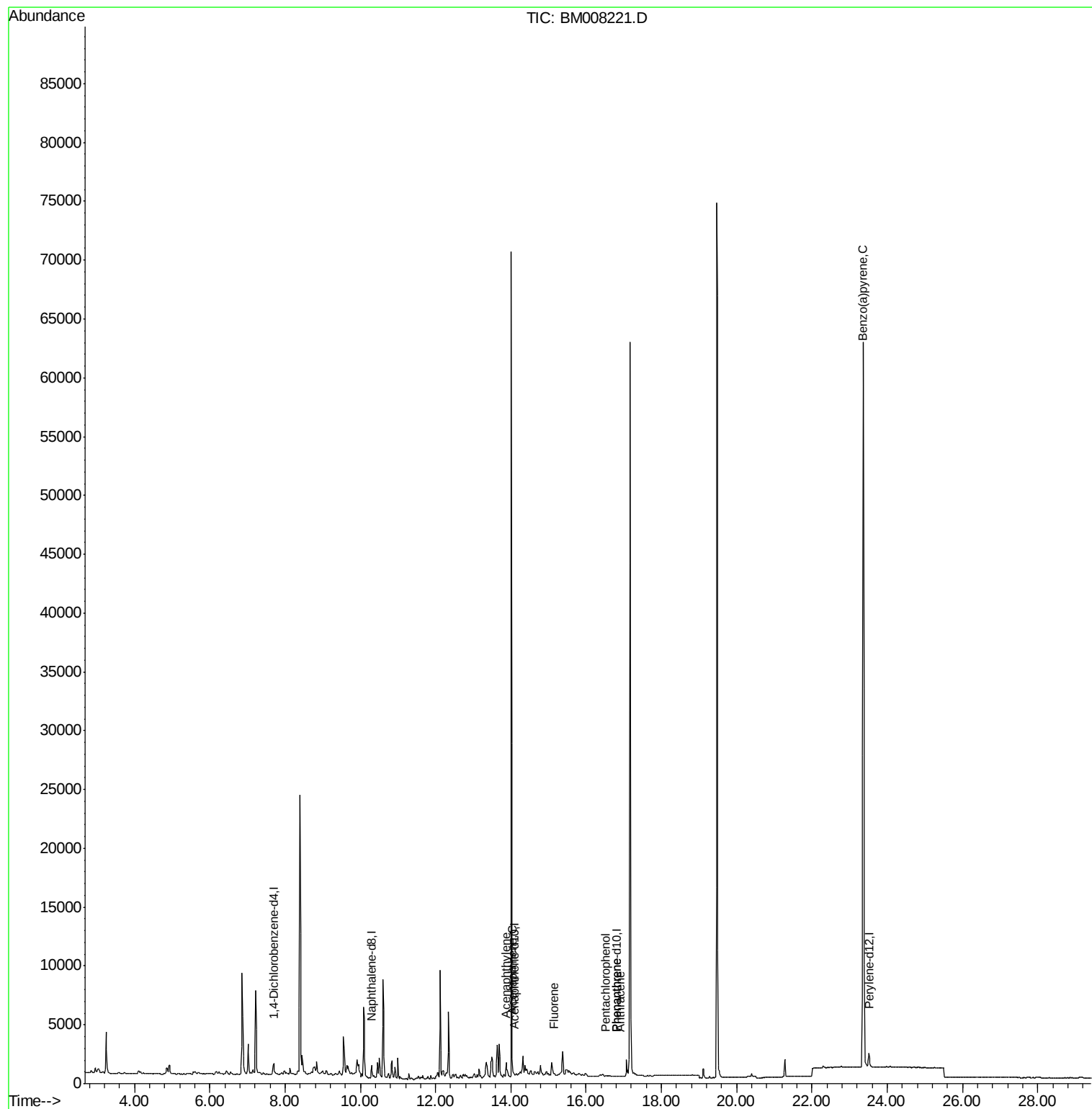
| Internal Standards          | R.T.  | QIon | Response | Conc | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.70  | 152  | 566      | 0.40 | ng/ul  | -0.03    |
| 2) Naphthalene-d8           | 10.29 | 136  | 1372     | 0.40 | ng/ul  | -0.19    |
| 6) Acenaphthene-d10         | 14.09 | 164  | 208      | 0.40 | ng/ul  | -0.24    |
| 10) Phenanthrene-d10        | 16.80 | 188  | 10       | 0.40 | ng/ul  | -0.29    |
| 16) Chrysene-d12            | 0.00  | 240  | 0        | 0.00 | ng/ul  | -21.29   |
| 20) Perylene-d12            | 23.51 | 264  | 1692     | 0.40 | ng/ul  | -0.01    |
| System Monitoring Compounds |       |      |          |      |        |          |
| 4) 2-Methylnaphthalene-d10  | 11.88 | 152  | 21       | 0.01 | ng/ul  | -0.22    |
| 14) Fluoranthene-d10        | 0.00  | 212  | 0        | 0.00 | ng/ul  |          |
| Target Compounds            |       |      |          |      |        |          |
| 7) Acenaphthylene           | 13.88 | 152  | 268      | 0.28 | ng/ul# | 1        |
| 8) Acenaphthene             | 14.04 | 153  | 192      | 0.27 | ng/ul# | 52       |
| 9) Fluorene                 | 15.15 | 166  | 35       | 0.04 | ng/ul# | 27       |
| 11) Pentachlorophenol       | 16.51 | 266  | 4        | 1.15 | ng/ul# | 20       |
| 12) Phenanthrene            | 16.80 | 178  | 4        | 0.13 | ng/ul# | 1        |
| 13) Anthracene              | 16.90 | 178  | 25       | 0.85 | ng/ul# | 1        |
| 23) Benzo(a)pyrene          | 23.36 | 252  | 468      | 0.07 | ng/ul# | 5        |

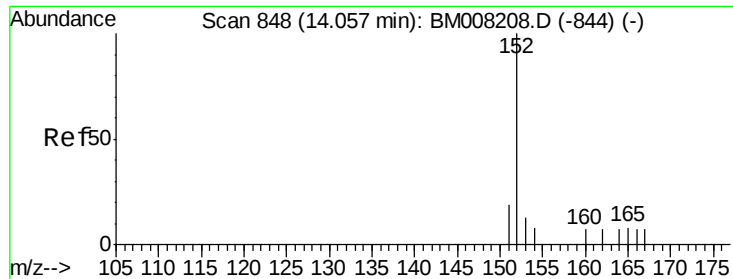
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#7

Acenaphthylene

Concen: 0.28 ng/ul

RT: 13.88 min Scan# 833

Delta R.T. -0.18 min

Lab File: BM008221.D

Acq: 10 Dec 2016 00:41

Instrument :

BNA\_M

ClientSampleId :

DA801

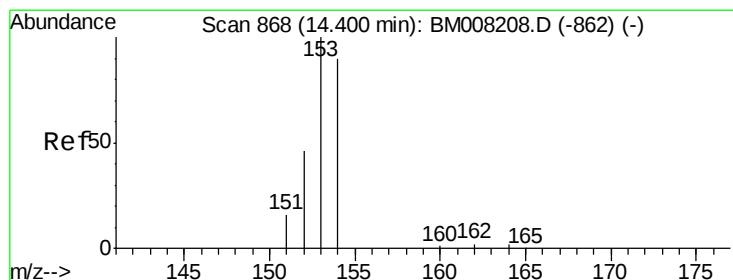
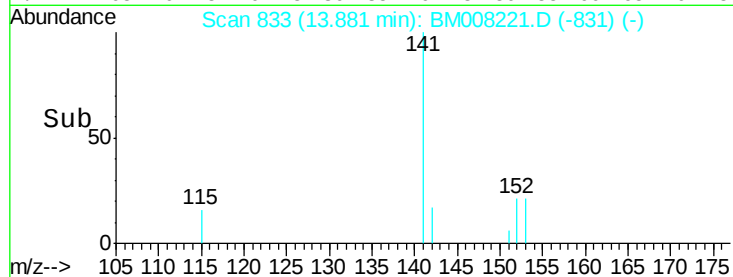
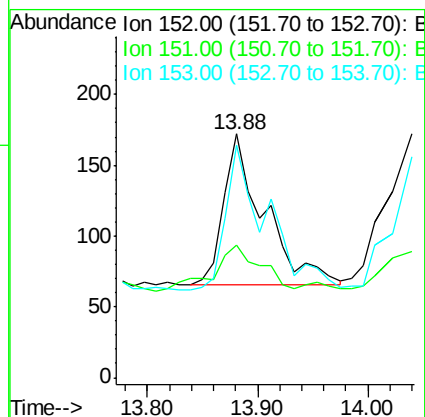
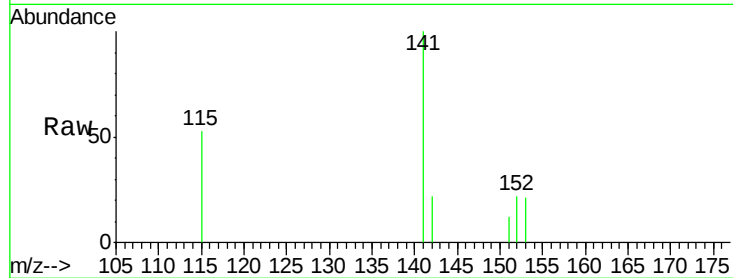
Tgt Ion:152 Resp: 268

Ion Ratio Lower Upper

152 100

151 54.7 17.1 25.7#

153 95.3 12.8 19.2#



#8

Acenaphthene

Concen: 0.27 ng/ul

RT: 14.04 min Scan# 847

Delta R.T. -0.36 min

Lab File: BM008221.D

Acq: 10 Dec 2016 00:41

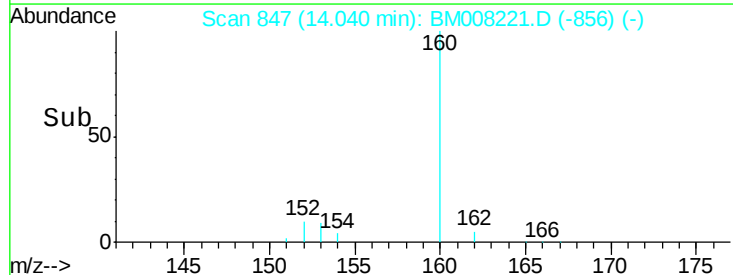
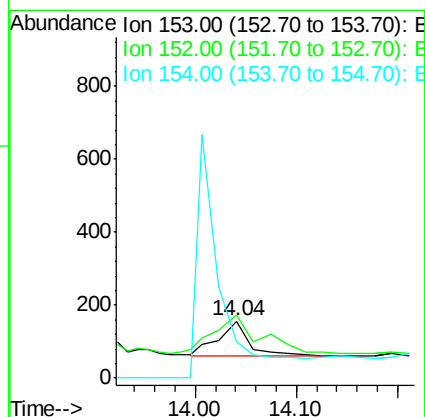
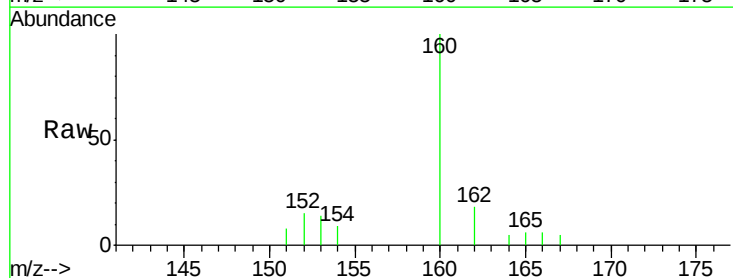
Tgt Ion:153 Resp: 192

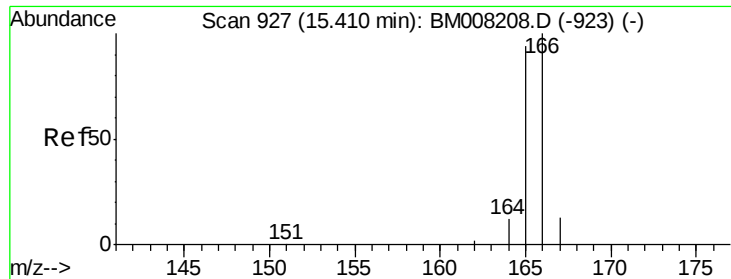
Ion Ratio Lower Upper

153 100

152 110.3 40.3 60.5#

154 64.7 71.4 107.2#





#9

Fluorene

Concen: 0.04 ng/ul

RT: 15.15 min Scan# 912

Delta R.T. -0.26 min

Lab File: BM008221.D

Acq: 10 Dec 2016 00:41

Instrument :

BNA\_M

ClientSampleId :

DA801

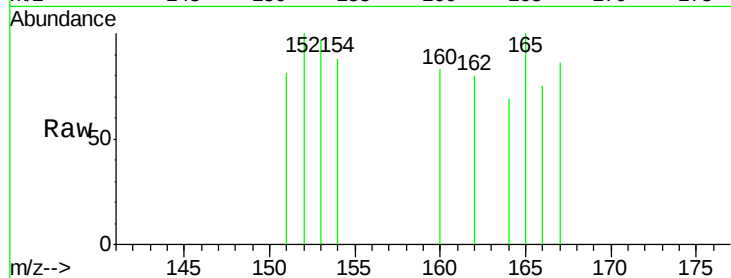
Tgt Ion:166 Resp: 35

Ion Ratio Lower Upper

166 100

165 133.3 73.4 110.2#

167 115.3 14.6 22.0#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

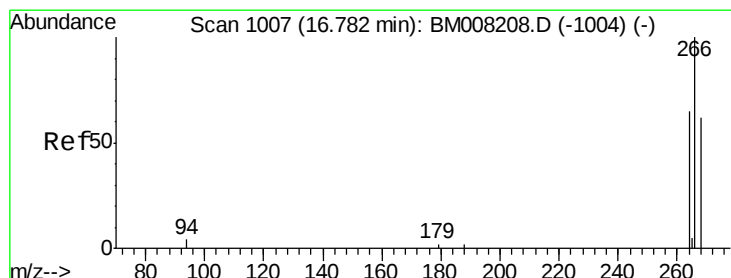
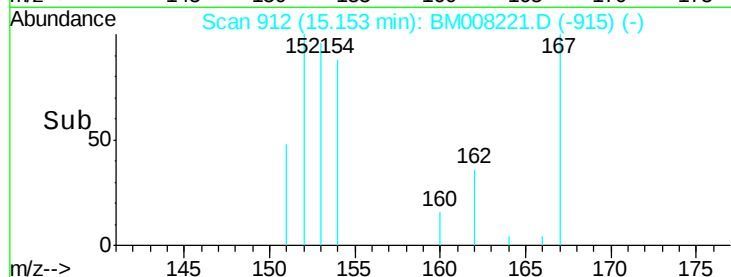
15.15

100

50

0

Time--> 15.10 15.15 15.20 15.25



#11

Pentachlorophenol

Concen: 1.15 ng/ul

RT: 16.51 min Scan# 991

Delta R.T. -0.27 min

Lab File: BM008221.D

Acq: 10 Dec 2016 00:41

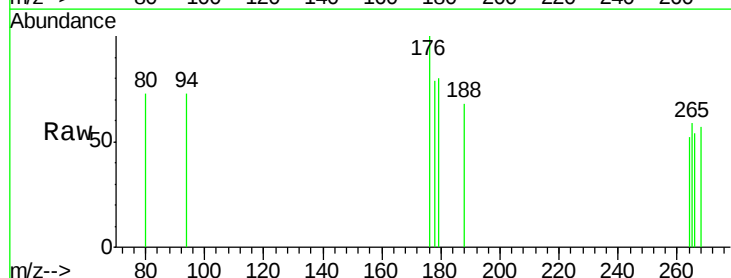
Tgt Ion:266 Resp: 4

Ion Ratio Lower Upper

266 100

264 0.0 47.9 71.9#

268 0.0 49.8 74.8#



Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

16.51

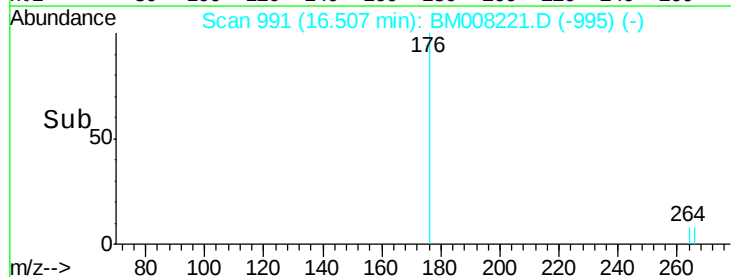
60

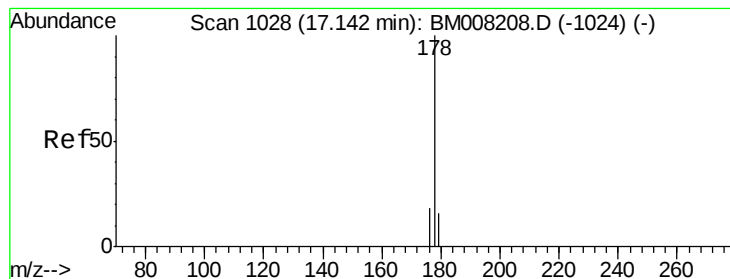
40

20

0

Time--> 16.45 16.50 16.55 16.60





#12

Phenanthrene

Concen: 0.13 ng/ul

RT: 16.80 min Scan# 1008

Delta R.T. -0.34 min

Lab File: BM008221.D

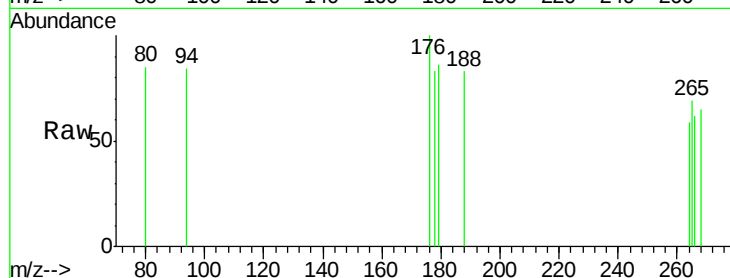
Acq: 10 Dec 2016 00:41

Instrument :

BNA\_M

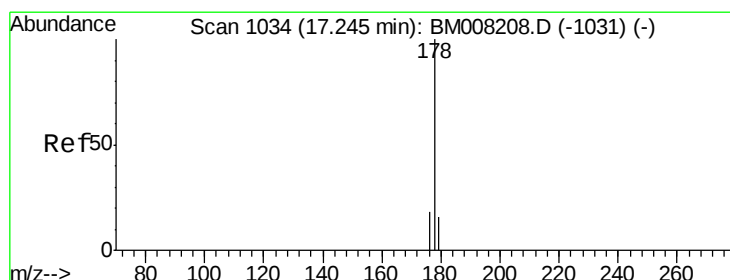
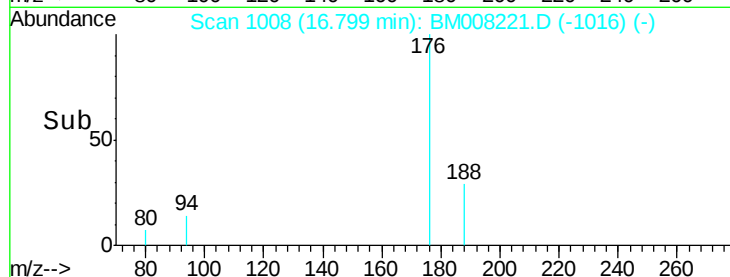
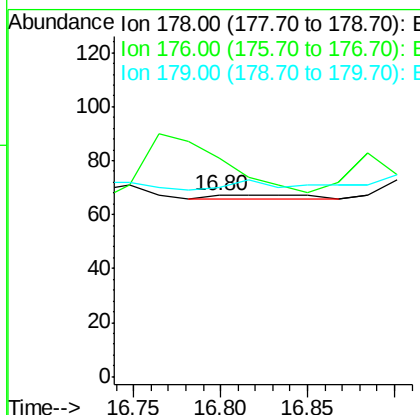
ClientSampleId :

DA801



Tgt Ion:178 Resp: 4

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 176 | 120.9 | 18.4  | 27.6# |
| 179 | 104.5 | 13.6  | 20.4# |



#13

Anthracene

Concen: 0.85 ng/ul

RT: 16.90 min Scan# 1014

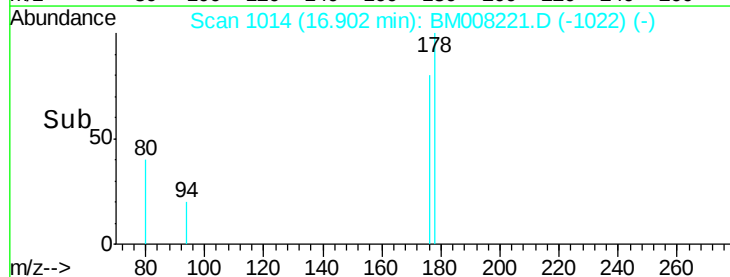
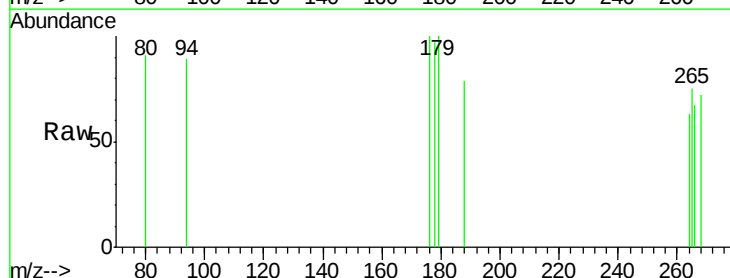
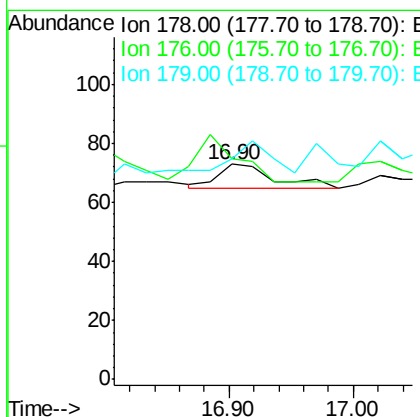
Delta R.T. -0.34 min

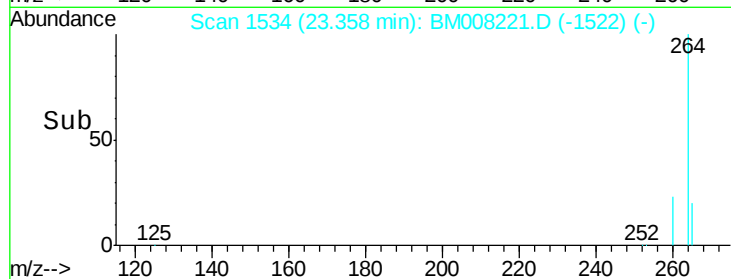
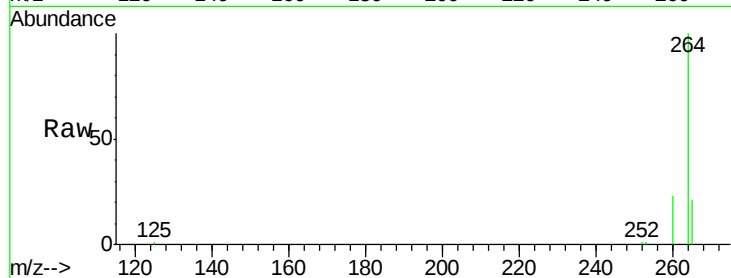
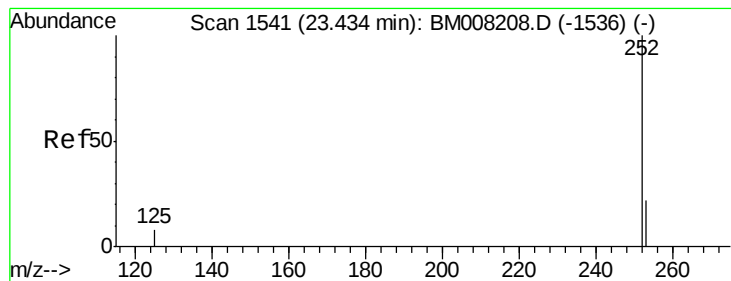
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Acq: 10 Dec 2016 00:41

Tgt Ion:178 Resp: 25

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 176 | 102.7 | 18.1  | 27.1# |
| 179 | 102.7 | 14.7  | 22.1# |





#23

Benzo(a)pyrene

Concen: 0.07 ng/ul

RT: 23.36 min Scan# 1534

Delta R.T. -0.08 min

Lab File: BM008221.D

Acq: 10 Dec 2016 00:41

Instrument :

BNA\_M

ClientSampleId :

DA801

Tgt Ion: 252 Resp: 468

Ion Ratio Lower Upper

252 100

253 85.8 28.5 42.7#

125 74.9 18.1 27.1#

